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Paper No:20100113

Application No:10/586900

Filing Date: July 21,2006

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the elevator and connector box or housing must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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An elevator is in claim 1 and claims 2-13 are dependent from this claim. Claim 7 is directed entirely towards the connector box.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Gerstenkorn (6056088).

Gerstenkorn teaches in figures 1-9, an elevator safety circuit monitor and control system.

1) AC motor 5 is driven by an inverter 56 and is braked by brake 6 based on a monitoring equipment 1 and switching brake circuit 3.

When the brake is operated, the inverter is disabled preventing power to the motor field.

2) See figure 8.

3) Normal operation controls the brake to allow operation. Extended delay without call triggers the monitoring circuit.

4) Figure 4, illustrates the rectifier 55, on/off circuit 57, inverter 56 and pwm 51 of the frequency converter 50 and VVVF control 51.

5) Brake circuit 53. The examiner infers that the brake operates as required by US code.

6,8) A mechanical relay may be provided in series with relay MGB , see col. 8, line 65.

7) The examiner concludes that the elements are placed in a housing.

4. Applicant's arguments filed 10-9-09 have been fully considered but they are not persuasive.

As stated above, the drawings must show all of the claim limitations. An elevator is present in every claim and claim 7 is directed entirely to the connector box. The fact that the terminology is so well understood does not negate the fact that elevator and connector box must be shown or the feature deleted from the claims.

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Applicant states that Gerstenkorn does not illustrate a relay for the brake. The examiner points to element MGB which is the brake magnet and associated structure shown of brake circuit shown in figure 8. In reference to the drawing which shows the details of the circuit 53, col. 8, line 65-col. 9 line 24 specifically state the use of a relay. Thus a relay is present in the brake circuit 53 of Gerstenkorn. Col. 9 lines 45-46 (ie. claim 1) states the "monitoring equipment" does not contain a relay, not the brake circuit which clearly has an electromagnet in the circuit.

As stated above, the shutting off of the brake circuit 53 will block the control impulses of the motor, Specifically the disabling of the inverter.

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist whose telephone number is (571) 272-2800.**

Information regarding the **STATUS** of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PAIR. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Papers related to this application may be submitted by facsimile transmission. Papers should be faxed to Group 2800 via the PTO Fax Center. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Fax Center number is (571) 273-8300.

For assistance in **Patent procedure, fees, or general Patent questions** calls should be directed to the **Inventors Assistance Center (IAC) whose telephone number is 800-PTO-9199 or 800-786-9199**. Assistance is also available on the Internet at [www.uspto.gov](http://www.uspto.gov).

For requesting copies of Cited Art, Office Actions or the like, response to Status Letters, lost files or papers or General Problem solving, calls should be directed to the TC 2800 Customer Service Office whose telephone number is 571-272-2800 or by fax at 571-273-8300.

Any inquiry concerning **this communication or earlier communications from the examiner** should be directed to **Jonathan Salata whose telephone number is (571) 272-2073**. The examiner does not have as detailed access as the previously listed numbers with regard to status or general problem solving. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Benson, can be reached on (571) 272-2800 ext 37.

ajs

January 15, 2010

/Jonathan Salata/  
**JONATHAN SALATA**  
**PRIMARY EXAMINER**  
**ART UNIT 2837**